

Station:

CH./Freq.:

Antenna type:

JSCP-3....

No. of Bores: 3

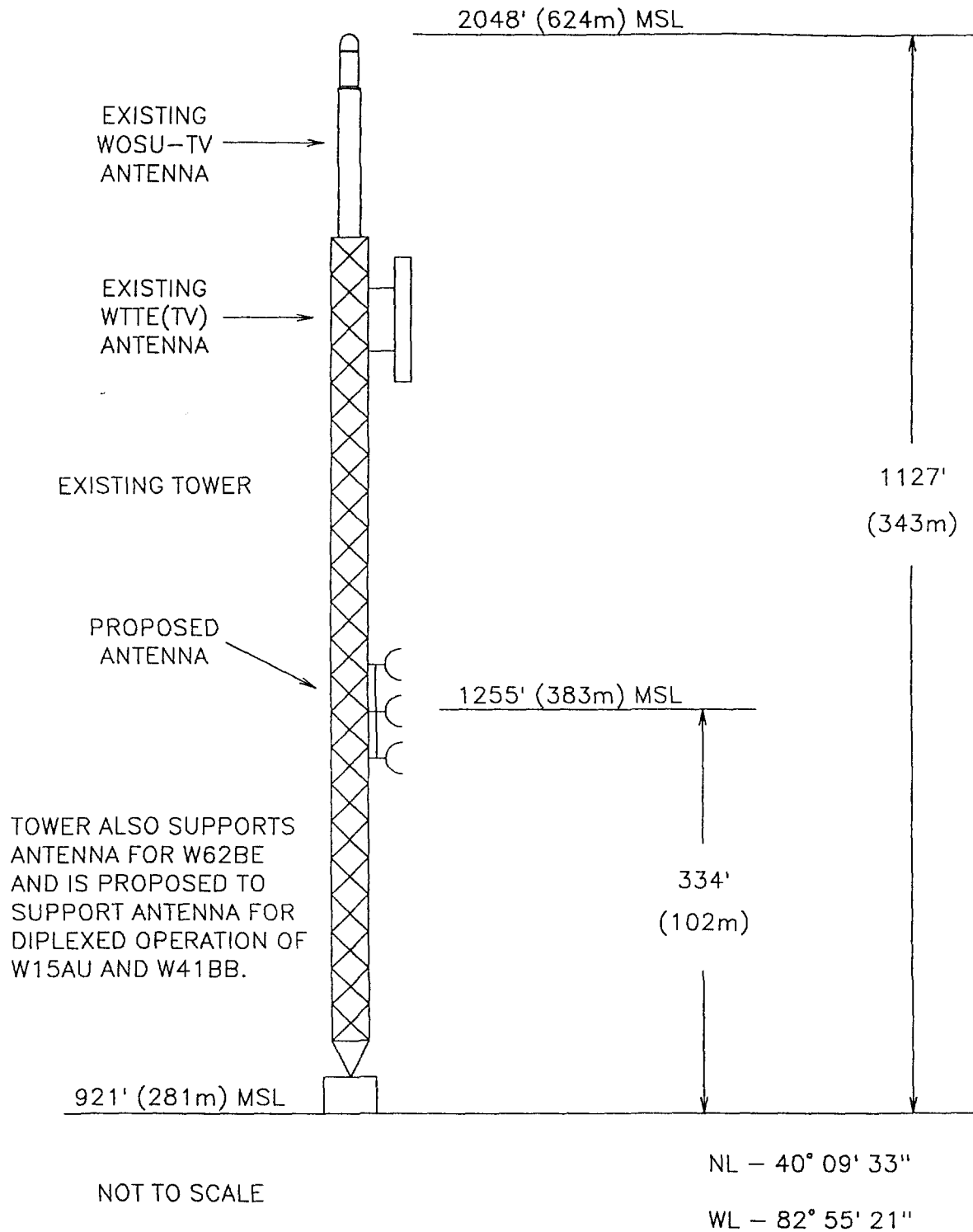
Comments:

FIG. 3.1

VERTICAL RADIATION  
PATTERN

David A. Ringer  
Westerville, OH





CARL E. SMITH CONSULTING ENGINEERS  
2324 N. CLEVE-MASS RD., BOX 807  
BATH, OHIO 44210-0807  
(216) 659-4440

FIG. 3.2  
VERTICAL PLAN VIEW  
DAVID A. RINGER  
WESTERVILLE, OH

#### 4.0 PREDICTED SERVICE CONTOURS

The predicted proposed 3.16 mV/m contour is shown in Table 4.0. Likewise, Table 4.1 presents a tabulation of the predicted proposed 1 mV/m contour. Because a directional antenna is involved, these contours were projected at azimuth intervals of no more than 10 degrees, to insure sufficient detail. The average elevations of each of the radials was extracted from the NGDC 30 second terrain database. Only the eight cardinal radials, however, were utilized in calculating the overall height above average terrain. Utilizing these average elevations and the proposed value of effective radiated power for each bearing, the contours were calculated as specified in Section 73.313 of the FCC Rules. These contours are shown on an appropriate map base in Figure 4.0. As shown by this figure, the proposed 3.16 mV/m contour will encompass all of Westerville, as required by Section 73.315(a) of the FCC Rules.

The population within this 1 mV/m contour was determined from the 1990 U.S. Census and an Ohio minor civil division map using proportional parts of the civil divisions covered. The area within the 1 mV/m contour was measured using a polar planimeter. These figures are shown in Paragraph 17 of FCC Form 301, Section V-B.

PROPOSED  
70.0 dBu CONTOUR  
(FM(50,50) Curves Utilized)

BEARING (Degrees)	AVERAGE TERRAIN ELEVATION (meters)	ANTENNA HAAT (meters)	----- HORIZONTAL ----- RELATIVE FIELD	ERP (dBk)	(kW)	DISTANCE TO CONTOUR (km)
0.0 *	285.3	97.7	0.707	4.77	2.999	13.3
5.0	286.2	96.8	0.707	4.77	2.999	13.2
10.0	288.1	94.9	0.790	5.73	3.745	13.8
20.0	287.5	95.5	0.990	7.69	5.881	15.6
30.0	291.9	91.1	1.000	7.78	6.000	15.3
40.0	297.6	85.4	1.000	7.78	6.000	14.8
45.0 *	300.8	82.2	1.000	7.78	6.000	14.5
50.0	303.9	79.1	1.000	7.78	6.000	14.2
60.0	306.3	76.7	1.000	7.78	6.000	14.0
70.0	308.0	75.0	1.000	7.78	6.000	13.8
80.0	310.9	72.1	1.000	7.78	6.000	13.6
90.0 *	313.7	69.3	1.000	7.78	6.000	13.3
100.0	313.9	69.1	1.000	7.78	6.000	13.3
110.0	312.5	70.5	1.000	7.78	6.000	13.4
120.0	309.6	73.4	1.000	7.78	6.000	13.7
130.0	301.4	81.6	0.880	6.67	4.646	13.5
135.0 *	298.1	84.9	0.790	5.73	3.745	13.1
140.0	294.5	88.5	0.710	4.81	3.025	12.7
150.0	284.9	98.1	0.570	2.90	1.949	12.0
160.0	269.0	114.0	0.460	1.04	1.270	11.6
170.0	253.0	130.0	0.370	-0.85	0.821	11.1
180.0 *	250.0	133.0	0.340	-1.59	0.694	10.8
185.0	246.6	136.4	0.330	-1.85	0.653	10.8
190.0	249.0	134.0	0.340	-1.59	0.694	10.8
200.0	264.0	119.0	0.420	0.25	1.058	11.3
210.0	268.4	114.6	0.520	2.10	1.622	12.4
220.0	264.1	118.9	0.650	4.04	2.535	14.1
225.0 *	263.4	119.6	0.720	4.93	3.110	14.9
230.0	263.5	119.5	0.800	5.84	3.840	15.8
240.0	267.3	115.7	1.000	7.78	6.000	17.6
250.0	269.9	113.1	1.000	7.78	6.000	17.4
260.0	271.8	111.2	1.000	7.78	6.000	17.2
270.0 *	271.8	111.2	1.000	7.78	6.000	17.2
280.0	271.6	111.4	1.000	7.78	6.000	17.2
290.0	271.1	111.9	1.000	7.78	6.000	17.3
300.0	272.6	110.4	1.000	7.78	6.000	17.1
310.0	277.6	105.4	0.980	7.61	5.762	16.5
315.0 *	277.8	105.2	0.880	6.67	4.646	15.5
320.0	277.7	105.3	0.790	5.73	3.745	14.6
325.0	278.3	104.7	0.707	4.77	2.999	13.8
330.0	277.8	105.2	0.707	4.77	2.999	13.8
340.0	274.7	108.3	0.707	4.77	2.999	14.0
350.0	276.5	106.5	0.707	4.77	2.999	13.9

AVERAGE(\*) = 282.6 meters

TABLE 4.0

PREDICTED PROPOSED  
3.16 mV/m CONTOUR

David A. Ringer  
Westerville, OH

PROPOSED  
60.0 dBu CONTOUR  
(FM(50,50) Curves Utilized)

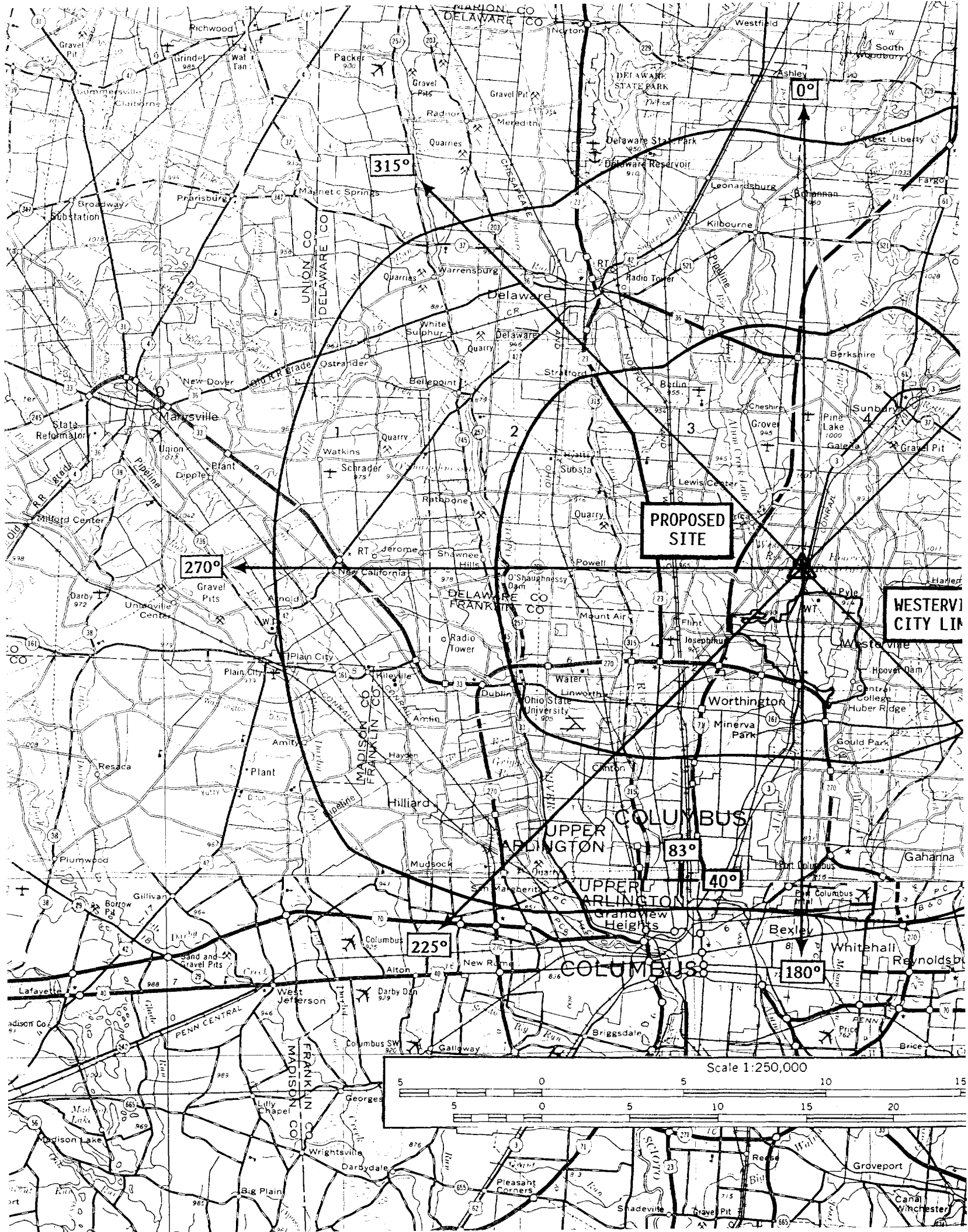
BEARING (Degrees)	AVERAGE TERRAIN ELEVATION (meters)	ANTENNA HAAT (meters)	----- HORIZONTAL ----- RELATIVE	ERP	DISTANCE TO CONTOUR (km)
			FIELD (dBk)	(kW)	
0.0 *	285.3	97.7	0.707	4.77	24.0
5.0	286.2	96.8	0.707	4.77	23.8
10.0	288.1	94.9	0.790	5.73	24.8
20.0	287.5	95.5	0.990	7.69	27.6
30.0	291.9	91.1	1.000	7.78	27.1
40.0	297.6	85.4	1.000	7.78	26.3
45.0 *	300.8	82.2	1.000	7.78	25.8
50.0	303.9	79.1	1.000	7.78	25.3
60.0	306.3	76.7	1.000	7.78	25.0
70.0	308.0	75.0	1.000	7.78	24.7
80.0	310.9	72.1	1.000	7.78	24.3
90.0 *	313.7	69.3	1.000	7.78	23.9
100.0	313.9	69.1	1.000	7.78	23.9
110.0	312.5	70.5	1.000	7.78	24.1
120.0	309.6	73.4	1.000	7.78	24.5
130.0	301.4	81.6	0.880	6.67	24.3
135.0 *	298.1	84.9	0.790	5.73	23.6
140.0	294.5	88.5	0.710	4.81	22.9
150.0	284.9	98.1	0.570	2.90	21.7
160.0	269.0	114.0	0.460	1.04	21.1
170.0	253.0	130.0	0.370	-0.85	20.2
180.0 *	250.0	133.0	0.340	-1.59	19.6
185.0	246.6	136.4	0.330	-1.85	19.5
190.0	249.0	134.0	0.340	-1.59	19.6
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310.0	277.6	105.4	0.980	7.61	28.7
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320.0	277.7	105.3	0.790	5.73	26.1
325.0	278.3	104.7	0.707	4.77	24.7
330.0	277.8	105.2	0.707	4.77	24.8
340.0	274.7	108.3	0.707	4.77	25.1
350.0	276.5	106.5	0.707	4.77	24.9

AVERAGE(\*) = 282.6 meters

TABLE 4.1

PREDICTED PROPOSED  
1 mV/m CONTOUR

David A. Ringer  
Westerville, OH





## 5.0 PROPOSED SITE

The proposed site is located at 6680 State Route 3, in Delaware County, just north of Westerville, Ohio. Figure 5.0 is a topographic map showing the location of this site.

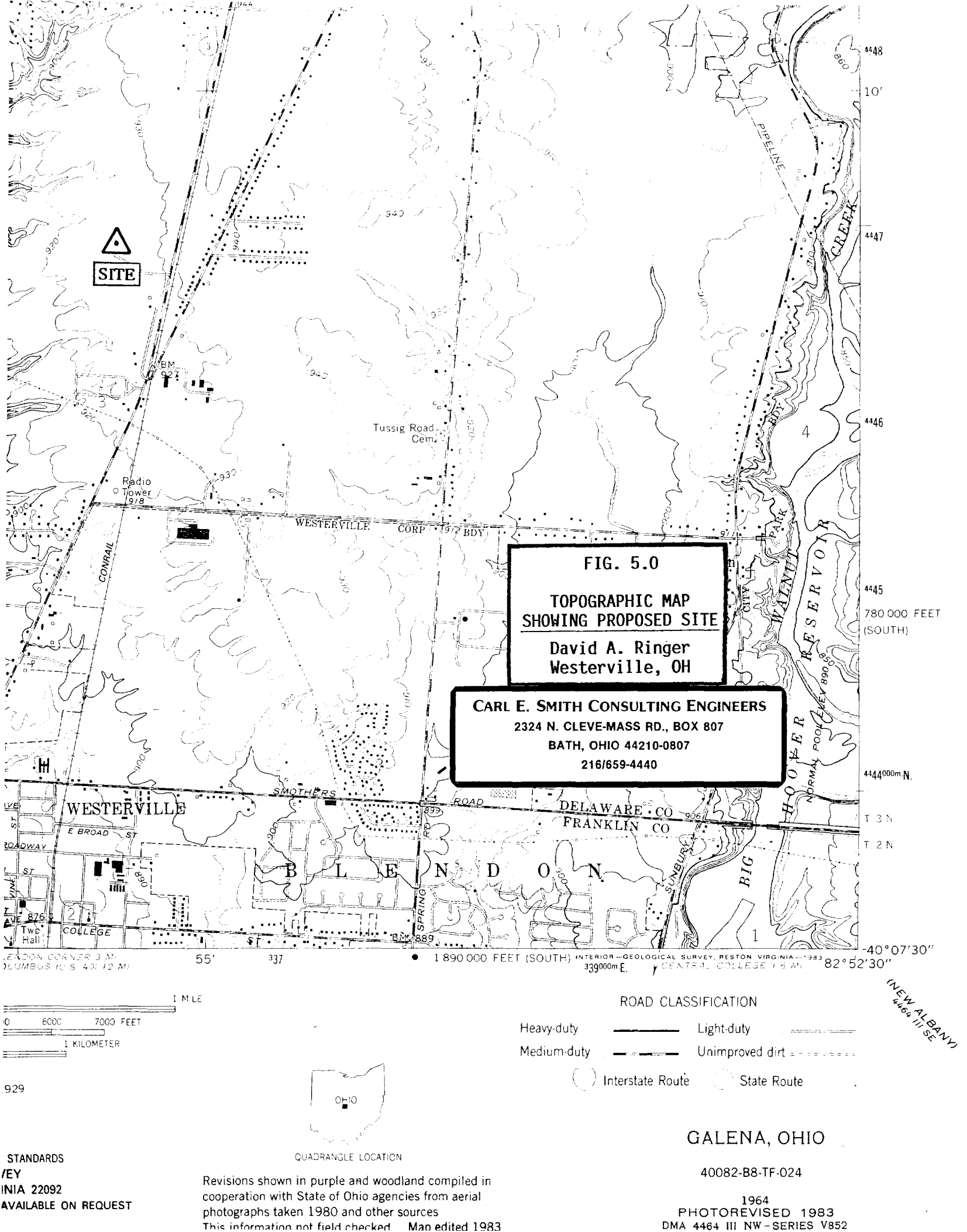
There are no AM stations located within three kilometers of this site. Nor are there any other FM facilities located within 60 meters of this site. There are, however, several existing and proposed TV facilities located within 60 meters of this site, all of which are located on this tower:

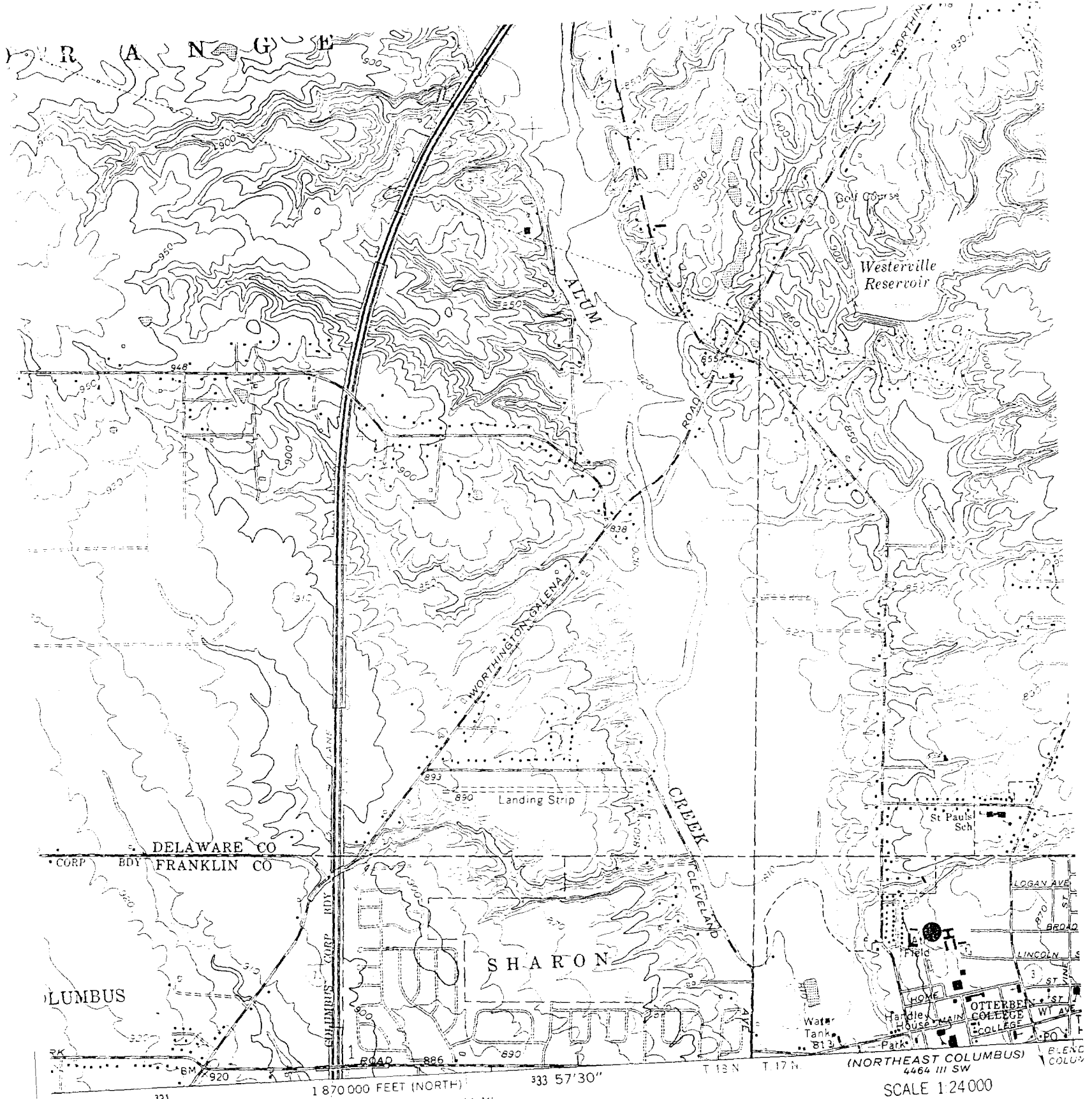
WTTE(TV)	Columbus, OH	Channel 28
WOSU-TV	Columbus, OH	Channel 34
W15AU(CP)	Columbus, OH	Channel 15
W41BB(CP)	Columbus, OH	Channel 41
W62BE(Lic. & CP)	Columbus, OH	Channel 62

The frequency separation between the proposed facility and these TV stations should eliminate the possibility of intermodulation or other similar problems. Should such problems be encountered, however, the applicant will take the appropriate steps to resolve them, including the installation of filtering circuitry, if required.





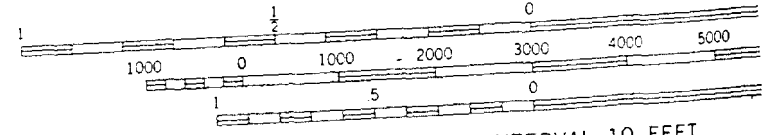




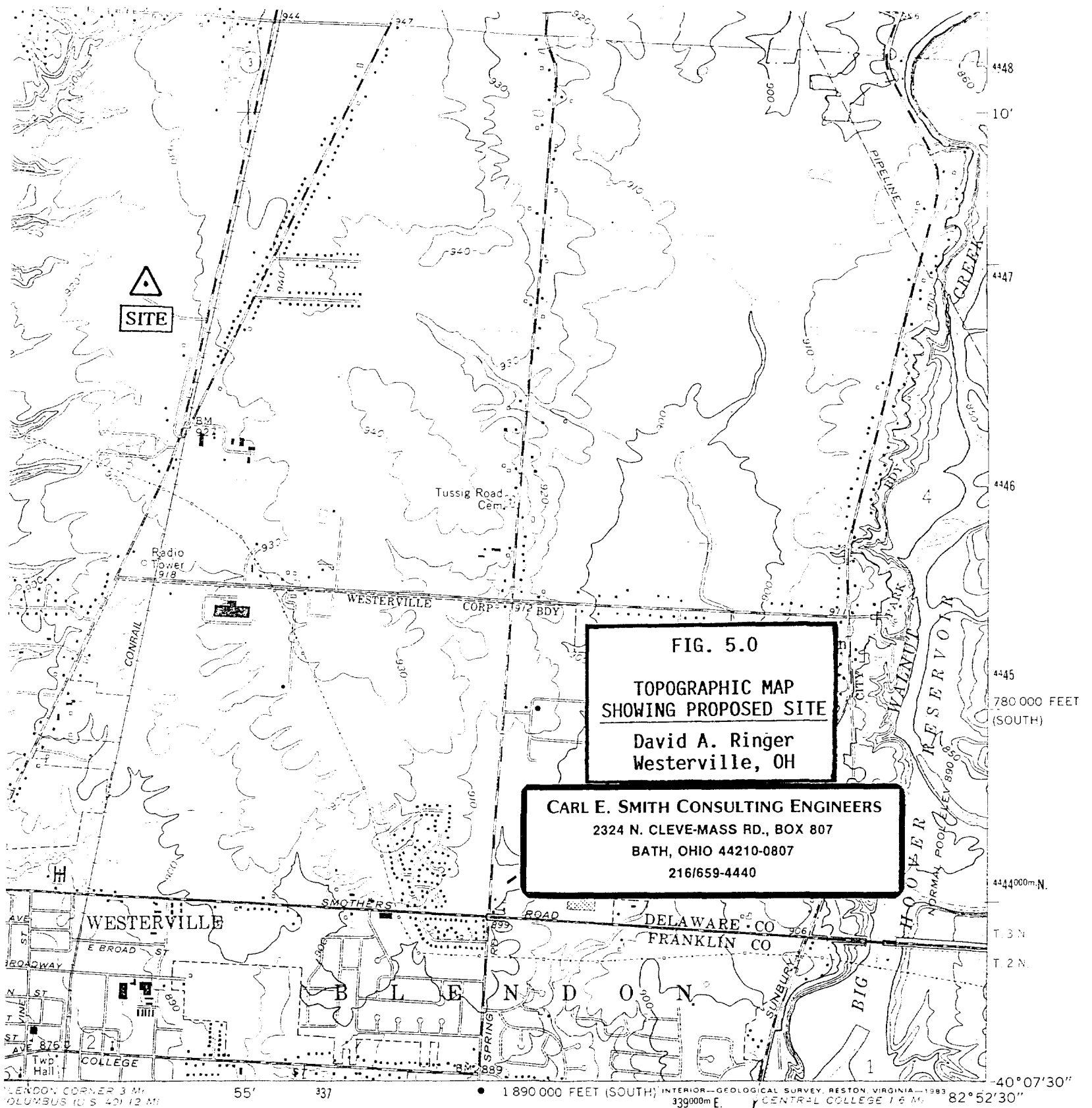
Published by the Geological Survey

1/4" methods from aerial photographs  
 checked 1955. Revised 1964  
 1-foot grid ticks based on Ohio  
 south zones. 1000-meter  
 grid ticks, zone 17, shown  
 in Datum. To place on the  
 in 1983 move the  
 and 9 meters west  
 only landmark buildings are shown  
 selected fence and field lines where  
 graphs. This information is unchecked

UTM GRID AND 1983 MAGNETIC NORTH  
 DECLINATION AT CENTER OF SHEET  
 4° 15' 1" 15' 22" MILS  
 80 MILS



THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STAI  
 FOR SALE BY U. S. GEOLOGICAL SURVEY  
 DENVER, COLORADO 80225, OR RESTON, VIRGINIA  
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAIL



1 MILE  
 0 6000 7000 FEET  
 1 KILOMETER



QUADRANGLE LOCATION

**ROAD CLASSIFICATION**

Heavy-duty	—————	Light-duty	—————
Medium-duty	—————	Unimproved dirt	=====
○ Interstate Route		○ State Route	

**GALENA, OHIO**

40082-B8-TF-024

1964  
 PHOTOREVISED 1983

## SECTION VI - EQUAL EMPLOYMENT OPPORTUNITY PROGRAM

1. Does the applicant propose to employ five or more full-time employees?

☐ Yes ☐ No

If Yes, the applicant must include an EEO program called for in the separate Broadcast Equal Employment Opportunity Program Report (FCC 396-A).

No change - amendment only.

## SECTION VII - CERTIFICATIONS

1. Has or will the applicant comply with the public notice requirement of 47 C.F.R. Section 73.3580?

☒ Yes ☐ No

2. Has the applicant reasonable assurance, in good faith, that the site or structure proposed in Section V of this form, as the location of its transmitting antenna, will be available to the applicant for the applicant's intended purpose?

☒ Yes ☐ No

If No, attach as an Exhibit, a full explanation.

Exhibit No.  
N/A

3. If reasonable assurance is not based on applicant's ownership of the proposed site or structure, applicant certifies that it has obtained such reasonable assurance by contacting the owner or person possessing control of the site or structure.

Name of Person Contacted Dale K. Ouzts

Telephone No. (Include area code) (614) 292-9678

Person Contacted: (check one box below)

☐ Owner ☒ Owner's Agent ☐ Other (specify)

4. By checking Yes, the applicant certifies that, in the case of an individual applicant, he or she is not subject to a denial of federal benefits that includes FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862, or, in the case of a non-individual applicant (e.g., corporation, partnership or other unincorporated association), no party to the application is subject to a denial of federal benefits that includes FCC benefits pursuant to that section. For the definition of a "party" for these purposes, see 47 C.F.R. Section 1.2002(b).

☒ Yes ☐ No

The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material representations, and that all exhibits are a material part hereof and incorporated herein.

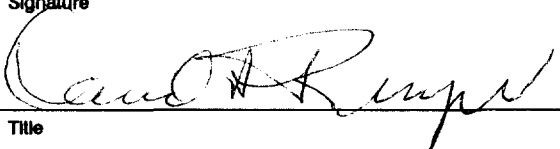
The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination on any other application with which it may be in conflict.

In accordance with 47 C.F.R. Section 1.65, the APPLICANT has a continuing obligation to advise the Commission, through amendments, of any substantial and significant changes in information furnished.

**SECTION VII - CERTIFICATION (Page 2)**

WILLFUL FALSE STATEMENTS MADE ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT  
(U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT  
(U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

I certify that the statements in this application are true and correct to the best of my knowledge and belief, and are made in good faith.

Name of Applicant <b>David A. Ringer</b>	Signature 
Date <b>5/17/1994</b>	Title <b>Individual</b>

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT  
AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of the application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form will be available for public inspection. If information requested on the form is not provided, processing of the application may be delayed or the application may be returned without action pursuant to the Commission's rules. Your response is required to obtain the requested authority.

Public reporting burden for this collection of information is estimated to vary from 72 hours 40 minutes to 347 hours 25 minutes with an average of 213 hours 32 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, can be sent to the Federal Communications Commission, Information Resources Branch, Room 416, Paperwork Reduction Project, Washington, D.C. 20554, and to the Office of Management and Budget, Paperwork Reduction Project (3060-0027), Washington, D.C., 20503.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3), AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

## **CERTIFICATE OF SERVICE**

I, Patricia A. Neil, secretary in the law firm of Smithwick & Belendiuk, P.C., certify that on this 9th day of May, 1994, copies of the foregoing were mailed via first class mail, postage pre-paid, to the following:

The Review Board (\*)  
Federal Communications Commission  
2000 L Street, N.W.  
Washington, DC 20554

James Shook, Esq. (\*)  
Hearing Branch  
Federal Communications Commission  
2025 M Street, N.W.  
Room 7212  
Washington, DC 20554

Chief, Data Management Staff (\*)  
Federal Communications Commission  
1919 M Street, N.W.  
Room 350  
Washington, D.C. 20554

James A. Koerner, Esq.  
Baraff, Koerner, Olender  
& Hochberg, P.C.  
5335 Wisconsin Avenue, N.W.  
Suite 300  
Washington, DC 20015-2003  
**Counsel for ASF Broadcasting Corp.**

Dan J. Alpert, Esq.  
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**Counsel for Shellee Davis**

Stephen T. Yelverton, Esq.  
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**Counsel for Ohio Radio Associates, Inc.**

Eric S. Kravetz, Esq.  
Brown, Nietert & Kaufman, Chartered  
1920 N Street, N.W.  
Suite 660  
Washington, DC 20036  
**Counsel for Wilburn Industries, Inc.**

(\*): By Hand Delivery

  
Patricia A. Neil